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Atty. Dkt. No. 049411-0204

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Michael L. ROUKES et al.  
Title: ACTIVE NEMS ARRAYS FOR BIOCHEMICAL ANALYSES  
Appl. No.: 09/927,779  
Filing Date: 8/9/2001  
Examiner: Ann Y. Lam  
Art Unit: 1641  
Confirmation Number: 5454

**AMENDMENT AND REPLY UNDER 37 CFR 1.111**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This communication is responsive to the Non-Final Office Action dated March 7, 2007, concerning the above-referenced patent application.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this document.

**Remarks/Arguments** begin on page 11 of this document.

Please amend the application as follows: